Emcefloor PCC

Self-levelling polymer-cement floor coating (PCC)

Product Properties

- One-component, self-levelling polymer-cement floor coating (PCC)
- Layer thicknesses 3 - 20 mm
- Pumpable, overcoating possible

Areas of Application

- Application of even floor coatings onto mineral-based substrates

Application

Substrate Preparation
See leaflet “General Application Advice“: “Industrial Flooring - Substrate and Substrate Preparation“.

Priming
MC-DUR 1177 WV-A is used as primer (see technical data sheet of MC-DUR 1177 WV-A). After 4 to 6 hours Emcefloor PCC is applied (the primer must still sticky). If Emcefloor PCC is applied the following day, the primer is to be strewn slightly.

Mixing
Emcefloor PCC consists of the powder component which has to be mixed with 20 % (p.b.w.) water. The material is mixed until homogeneous and lump-free (3 - 4 minutes). Mechanical mixers are used for mixing (300 - 400 rpm).

Application
Emcefloor PCC is applied using a trowel or a float. Afterwards the fresh PCC is de-aerated with a spiked roller. The coating must be protected for at least 24 hours against rain and direct sun.

After a waiting time of 48 - 72 hours Emcefloor PCC can be overcoated with MC-DUR coating systems. Therefore the surface is primed with MC-DUR 1177 WV-A. After a waiting time of 12 to 24 hours the surface can be overcoated.

General Information
Coverage, application time, resistance to foot traffic and time until fill resistance are determined by temperature and object properties and condition. See also leaflet “General Application Advice - Reactive Resins”.

Concerning the batch colour consistency, please note the general information in the leaflet "General Application Advice - Reactive Resins".

Exposure to chemicals and UV-light may cause colour changes which usually do not affect the properties and usability of the coating. Mechanically and chemically exposed surfaces are subject to wear and tear. Regular check-ups and continuous maintenance are advised.

MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 2041-101 10 • Fax: +49 (0) 2041-101 188
info@mc-bauchemie.de • www.mc-bauchemie.de

Technical Data for Emcefloor PCC

Characteristic	Unit	Value	Comments
Mixing	p.b.w.	100 : 20	powder component : water
Density	g/cm³	approx. 1.7	-
Application time	minutes	20	at 20 °C and 50 % relative humidity
Resistant to foot traffic	hours	6	at 20 °C and 50 % relative humidity
Time until full resistance	days	7	at 20 °C and 50 % relative humidity
Minimum application conditions	°C % K	≥ 10 - ≤ 30 ≤ 85 3	air, material and substrate temperature relative humidity above dew point
Coverage	kg/m²	1.7	per mm layer thickness
Compressive strength	N/mm²	approx. 40	after 28 days
Bending tensile strength	N/mm²	approx. 10	after 28 days

Product Characteristics for Emcefloor PCC

Cleaning agent	water
Colour	grey
Delivery	25 kg bag
Storage	Can be stored in original sealed packages at temperatures below 20 °C in dry conditions for at least 1 year. Protect from frost! The same requirements are valid for transport
Disposal	Packs must be emptied completely.

Safety Advice
Please take notice of the safety information and advice given on the packaging labels and safety information leaflets.

Edition 04/09. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

MC-Bauchemie • Am Kruppwald 1-8 • 46238 Bottrop • Tel. +49 (0) 2041-101 10 • Fax: +49 (0) 2041-101 188
info@mc-bauchemie.de • www.mc-bauchemie.de